

ABSTRACT OF THE DISCLOSURE

A multi-point communications system joins a series of communications units in a series chain while providing communications between and among all of the units. Each communication unit comprises a pair of frames, preferably operating under E1/T1 protocols connected in a back-to-back arrangement through the framers' local serial busses. Communication data is placed on and extracted from a designated set of channels on the serial busses while preamble data, controlling the passage and routing of the communications data, is placed on a separate set of bus channels. One of the interconnected communications units is designated as the "parent", and provides supervisory control over communications data, timing and flow. Designation of the parent unit may be performed on a dynamic basis to allow the communications system to dynamically adapt to changes in system size as communications units are added or dropped.

100-200-300-400-500-600-700-800-900-1000-1100-1200-1300-1400-1500-1600-1700-1800-1900-2000-2100-2200-2300-2400-2500-2600-2700-2800-2900-3000-3100-3200-3300-3400-3500-3600-3700-3800-3900-4000-4100-4200-4300-4400-4500-4600-4700-4800-4900-5000-5100-5200-5300-5400-5500-5600-5700-5800-5900-6000-6100-6200-6300-6400-6500-6600-6700-6800-6900-7000-7100-7200-7300-7400-7500-7600-7700-7800-7900-8000-8100-8200-8300-8400-8500-8600-8700-8800-8900-9000-9100-9200-9300-9400-9500-9600-9700-9800-9900-10000-10100-10200-10300-10400-10500-10600-10700-10800-10900-11000-11100-11200-11300-11400-11500-11600-11700-11800-11900-12000-12100-12200-12300-12400-12500-12600-12700-12800-12900-13000-13100-13200-13300-13400-13500-13600-13700-13800-13900-14000-14100-14200-14300-14400-14500-14600-14700-14800-14900-15000-15100-15200-15300-15400-15500-15600-15700-15800-15900-16000-16100-16200-16300-16400-16500-16600-16700-16800-16900-17000-17100-17200-17300-17400-17500-17600-17700-17800-17900-18000-18100-18200-18300-18400-18500-18600-18700-18800-18900-19000-19100-19200-19300-19400-19500-19600-19700-19800-19900-20000-20100-20200-20300-20400-20500-20600-20700-20800-20900-21000-21100-21200-21300-21400-21500-21600-21700-21800-21900-22000-22100-22200-22300-22400-22500-22600-22700-22800-22900-23000-23100-23200-23300-23400-23500-23600-23700-23800-23900-24000-24100-24200-24300-24400-24500-24600-24700-24800-24900-25000-25100-25200-25300-25400-25500-25600-25700-25800-25900-26000-26100-26200-26300-26400-26500-26600-26700-26800-26900-27000-27100-27200-27300-27400-27500-27600-27700-27800-27900-28000-28100-28200-28300-28400-28500-28600-28700-28800-28900-29000-29100-29200-29300-29400-29500-29600-29700-29800-29900-30000-30100-30200-30300-30400-30500-30600-30700-30800-30900-31000-31100-31200-31300-31400-31500-31600-31700-31800-31900-32000-32100-32200-32300-32400-32500-32600-32700-32800-32900-33000-33100-33200-33300-33400-33500-33600-33700-33800-33900-34000-34100-34200-34300-34400-34500-34600-34700-34800-34900-35000-35100-35200-35300-35400-35500-35600-35700-35800-35900-36000-36100-36200-36300-36400-36500-36600-36700-36800-36900-37000-37100-37200-37300-37400-37500-37600-37700-37800-37900-38000-38100-38200-38300-38400-38500-38600-38700-38800-38900-39000-39100-39200-39300-39400-39500-39600-39700-39800-39900-40000-40100-40200-40300-40400-40500-40600-40700-40800-40900-40100-40200-40300-40400-40500-40600-40700-40800-40900-41000-41100-41200-41300-41400-41500-41600-41700-41800-41900-42000-42100-42200-42300-42400-42500-42600-42700-42800-42900-43000-43100-43200-43300-43400-43500-43600-43700-43800-43900-44000-44100-44200-44300-44400-44500-44600-44700-44800-44900-45000-45100-45200-45300-45400-45500-45600-45700-45800-45900-46000-46100-46200-46300-46400-46500-46600-46700-46800-46900-47000-47100-47200-47300-47400-47500-47600-47700-47800-47900-47100-47200-47300-47400-47500-47600-47700-47800-47900-48000-48100-48200-48300-48400-48500-48600-48700-48800-48900-48100-48200-48300-48400-48500-48600-48700-48800-48900-49000-49100-49200-49300-49400-49500-49600-49700-49800-49100-49200-49300-49400-49500-49600-49700-49800-49900-50000-50100-50200-50300-50400-50500-50600-50700-50800-50900-50100-50200-50300-50400-50500-50600-50700-50800-50900-51000-51100-51200-51300-51400-51500-51600-51700-51800-51900-51100-51200-51300-51400-51500-51600-51700-51800-51900-52000-52100-52200-52300-52400-52500-52600-52700-52800-52900-52100-52200-52300-52400-52500-52600-52700-52800-52900-53000-53100-53200-53300-53400-53500-53600-53700-53800-53900-53100-53200-53300-53400-53500-53600-53700-53800-53900-54000-54100-54200-54300-54400-54500-54600-54700-54800-54900-54100-54200-54300-54400-54500-54600-54700-54800-54900-55000-55100-55200-55300-55400-55500-55600-55700-55800-55900-55100-55200-55300-55400-55500-55600-55700-55800-55900-56000-56100-56200-56300-56400-56500-56600-56700-56800-56900-56100-56200-56300-56400-56500-56600-56700-56800-56900-57000-57100-57200-57300-57400-57500-57600-57700-57800-57900-57100-57200-57300-57400-57500-57600-57700-57800-57900-58000-58100-58200-58300-58400-58500-58600-58700-58800-58900-58100-58200-58300-58400-58500-58600-58700-58800-58900-59000-59100-59200-59300-59400-59500-59600-59700-59800-59900-59100-59200-59300-59400-59500-59600-59700-59800-59900-60000-60100-60200-60300-60400-60500-60600-60700-60800-60900-60100-60200-60300-60400-60500-60600-60700-60800-60900-61000-61100-61200-61300-61400-61500-61600-61700-61800-61900-61100-61200-61300-61400-61500-61600-61700-61800-61900-62000-62100-62200-62300-62400-62500-62600-62700-62800-62900-62100-62200-62300-62400-62500-62600-62700-62800-62900-63000-63100-63200-63300-63400-63500-63600-63700-63800-63900-63100-63200-63300-63400-63500-63600-63700-63800-63900-64000-64100-64200-64300-64400-64500-64600-64700-64800-64900-64100-64200-64300-64400-64500-64600-64700-64800-64900-65000-65100-65200-65300-65400-65500-65600-65700-65800-65900-65100-65200-65300-65400-65500-65600-65700-65800-65900-66000-66100-66200-66300-66400-66500-66600-66700-66800-66900-66100-66200-66300-66400-66500-66600-66700-66800-66900-67000-67100-67200-67300-67400-67500-67600-67700-67800-67900-67100-67200-67300-67400-67500-67600-67700-67800-67900-68000-68100-68200-68300-68400-68500-68600-68700-68800-68900-68100-68200-68300-68400-68500-68600-68700-68800-68900-69000-69100-69200-69300-69400-69500-69600-69700-69800-69900-69100-69200-69300-69400-69500-69600-69700-69800-69900-70000-70100-70200-70300-70400-70500-70600-70700-70800-70900-70100-70200-70300-70400-70500-70600-70700-70800-70900-71000-71100-71200-71300-71400-71500-71600-71700-71800-71900-71100-71200-71300-71400-71500-71600-71700-71800-71900-72000-72100-72200-72300-72400-72500-72600-72700-72800-72900-72100-72200-72300-72400-72500-72600-72700-72800-72900-73000-73100-73200-73300-73400-73500-73600-73700-73800-73900-73100-73200-73300-73400-73500-73600-73700-73800-73900-74000-74100-74200-74300-74400-74500-74600-74700-74800-74900-74100-74200-74300-74400-74500-74600-74700-74800-74900-75000-75100-75200-75300-75400-75500-75600-75700-75800-75900-75100-75200-75300-75400-75500-75600-75700-75800-75900-76000-76100-76200-76300-76400-76500-76600-76700-76800-76900-76100-76200-76300-76400-76500-76600-76700-76800-76900-77000-77100-77200-77300-77400-77500-77600-77700-77800-77900-77100-77200-77300-77400-77500-77600-77700-77800-77900-78000-78100-78200-78300-78400-78500-78600-78700-78800-78900-78100-78200-78300-78400-78500-78600-78700-78800-78900-79000-79100-79200-79300-79400-79500-79600-79700-79800-79900-79100-79200-79300-79400-79500-79600-79700-79800-79900-80000-80100-80200-80300-80400-80500-80600-80700-80800-80900-80100-80200-80300-80400-80500-80600-80700-80800-80900-81000-81100-81200-81300-81400-81500-81600-81700-81800-81900-81100-81200-81300-81400-81500-81600-81700-81800-81900-82000-82100-82200-82300-82400-82500-82600-82700-82800-82900-82100-82200-82300-82400-82500-82600-82700-82800-82900-83000-83100-83200-83300-83400-83500-83600-83700-83800-83900-83100-83200-83300-83400-83500-83600-83700-83800-83900-84000-84100-84200-84300-84400-84500-84600-84700-84800-84900-84100-84200-84300-84400-84500-84600-84700-84800-84900-85000-85100-85200-85300-85400-85500-85600-85700-85800-85900-85100-85200-85300-85400-85500-85600-85700-85800-85900-86000-86100-86200-86300-86400-86500-86600-86700-86800-86900-86100-86200-86300-86400-86500-86600-86700-86800-86900-87000-87100-87200-87300-87400-87500-87600-87700-87800-87900-87100-87200-87300-87400-87500-87600-87700-87800-87900-88000-88100-88200-88300-88400-88500-88600-88700-88800-88900-88100-88200-88300-88400-88500-88600-88700-88800-88900-89000-89100-89200-89300-89400-89500-89600-89700-89800-89900-89100-89200-89300-89400-89500-89600-89700-89800-89900-90000-90100-90200-90300-90400-90500-90600-90700-90800-90900-90100-90200-90300-90400-90500-90600-90700-90800-90900-91000-91100-91200-91300-91400-91500-91600-91700-91800-91900-91100-91200-91300-91400-91500-91600-91700-91800-91900-92000-92100-92200-92300-92400-92500-92600-92700-92800-92900-92100-92200-92300-92400-92500-92600-92700-92800-92900-93000-93100-93200-93300-93400-93500-93600-93700-93800-93900-93100-93200-93300-93400-93500-93600-93700-93800-93900-94000-94100-94200-94300-94400-94500-94600-94700-94800-94900-94100-94200-94300-94400-94500-94600-94700-94800-94900-95000-95100-95200-95300-95400-95500-95600-95700-95800-95900-95100-95200-95300-95400-95500-95600-95700-95800-95900-96000-96100-96200-96300-96400-96500-96600-96700-96800-96900-96100-96200-96300-96400-96500-96600-96700-96800-96900-97000-97100-97200-97300-97400-97500-97600-97700-97800-97900-97100-97200-97300-97400-97500-97600-97700-97800-97900-98000-98100-98200-98300-98400-98500-98600-98700-98800-98900-98100-98200-98300-98400-98500-98600-98700-98800-98900-99000-99100-99200-99300-99400-99500-99600-99700-99800-99900-99100-99200-99300-99400-99500-99600-99700-99800-99900-100000-100100-100200-100300-100400-100500-100600-100700-100800-100900-100100-100200-100300-100400-100500-100600-100700-100800-100900-101000-101100-101200-101300-101400-101500-101600-101700-101800-101900-101100-101200-101300-101400-101500-101600-101700-101800-101900-102000-102100-102200-102300-102400-102500-102600-102700-102800-102900-102100-102200-102300-102400-102500-102600-102700-102800-102900-103000-103100-103200-103300-103400-103500-103600-103700-103800-103900-103100-103200-103300-103400-103500-103600-103700-103800-103900-104000-104100-104200-104300-104400-104500-104600-104700-104800-104900-104100-104200-104300-104400-104500-104600-104700-104800-104900-105000-105100-105200-105300-105400-105500-105600-105700-105800-105900-105100-105200-105300-105400-105500-105600-105700-105800-105900-106000-106100-106200-106300-106400-106500-106600-106700-106800-106900-106100-106200-106300-106400-106500-106600-106700-106800-106900-107000-107100-107200-107300-107400-107500-107600-107700-107800-107900-107100-107200-107300-107400-107500-107600-107700-107800-107900-108000-108100-108200-108300-108400-108500-108600-108700-108800-108900-108100-108200-108300-108400-108500-108600-108700-108800-108900-109000-109100-109200-109300-109400-109500-109600-109700-109800-109900-109100-109200-109300-109400-109500-109600-109700-109800-109900-110000-110100-110200-110300-110400-110500-110600-110700-110800-110900-110100-110200-110300-110400-110500-110600-110700-110800-110900-111000-111100-111200-111300-111400-111500-111600-111700-111800-111900-111100-111200-111300-111400-111500-111600-111700-111800-111900-112000-112100-112200-112300-112400-112500-112600-112700-112800-112900-112100-112200-112300-112400-112500-112600-112700-112800-112900-113000-113100-113200-113300-113400-113500-113600-113700-113800-113900-113100-113200-113300-113400-113500-113600-113700-113800-113900-114000-114100-114200-114300-114400-114500-114600-114700-114800-114900-114100-114200-114300-114400-114500-114600-114700-114800-114900-115000-115100-115200-115300-115400-115500-115600-115700-115800-115900-115100-115200-115300-115400-115500-115600-115700-115800-115900-116000-116100-116200-116300-116400-116500-116600-116700-116800-116900-116100-116200-116300-116400-116500-116600-116700-116800-116900-117000-117100-117200-117300-117400-117500-117600-117700-117800-11790